



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT****Complete if Known**

Sheet	1	of	1	Application Number	10/650,011
				Filing Date	August 26, 2003
				First Named Inventor	Donnelly
				Art Unit	3617
				Examiner Name	McCarry Jr. Robert J.
				Attorney Docket Number	5107-4

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-kind Code <sup>2 (if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee of Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>RM</i>	1.	US-4,107,402	08-15-1978	Dougherty et al.	
<i>RM</i>	2.	US-5,580,677	12-03-1996	Nobuyasu	
<i>RM</i>	3.	US-6,627,345	09-30-2003	Zemlok et al.	
<i>RM</i>	4.	US-6,653,002	11-25-2003	Ronald	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> ; Number <sup>3</sup> ; Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

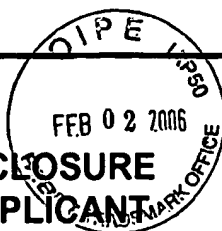
Examiner Initials*	Cite No. <sup>1</sup>	
<i>RM</i>	5.	Joseph Szyborski et al., "Examination of VRLA Battery Cells sampled from the Metlakatla Battery Energy Storage System". 15 pages
<i>RM</i>	6.	"Locomotive Energy Storage System," Advanced Railway Technology, Inc. (Dec. 1985), 22 pages.

Examiner Signature	<i>RMCC</i>	Date Considered	4/06
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<i>RM</i>		US-6,973,880	12-13-2005	Kumar	

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initials*	Cite No. <sup>1</sup>	
<i>RM</i>	1.	"Diesel Locomotives" by Kalmbach Publishing Company, 1980, 3 pages.
<i>↑</i>	2.	"Motor Control Electronics Handbook" edited by Richard Valentine, McGraw Hill (1998), ISBN 0-07-066810-8, pp. 161-221
	3.	"Progress in Overcoming the Failure Modes Peculiar to VRLA Batteries", A. Cooper, P.T. Moseley, Journal of Power Sources 113 (2003) 200-208.
	4.	"Research Results from the Advanced Lead-Acid Battery Consortium Point the Way to Longer Life and Higher Specific Energy for Lead/Acid Electric-vehicle Batteries", P.T. Moseley, Journal of Power Sources 73 (1998) 122-126.
	5.	"Improving the Valve-Regulated Lead Acid Battery", P.T. Moseley, Journal of Power Sources 88 (2000) 71-77.
<i>↓</i>	6.	"Keeping Up the Pressure-Strategies to Maintain Plate-Group Pressure and Extend the Cycle Life of VRLA Batteries", M.J. Weighall, Journal of Power Sources 95 (2001) 209-217.
<i>RM</i>	7.	"VRLA Traction", First International Symposium on the Use of VRLA Batteries in Traction Application, Honolulu, June 2005, 147 pages.

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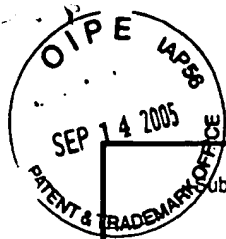
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<i>RM</i>	1.	US-5,856,037	01-05-1999	Casale et al.	
	2.	US-6,025,086	02-15-2000	Ching	
	3.	US-6,218,807	04-17-2001	Sakaue et al.	
	4.	US-6,417,646	06-09-2002	Hukyman et al.	
	5.	US-6,537,694	03-25-2003	Sagiura et al.	
<i>RM</i>	6.	US-6,678,972	01-20-2004	Naruse et al.	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>	
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				Art Unit	3617
				Examiner Name	McCarry Jr. Robert J.
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<i>RM</i>	1.	US-3,832,625	08-27-1974	Gyugyi	
<i>RM</i>	2.	US-4,096,423	06-20-1978	Bailey et al.	
	3.	US-4,417,194	11-22-1983	Curtiss et al.	
	4.	US-5,510,203	04-23-1996	Shinji	
	5.	US-5,580,677	12-03-1996	Nobuyasu	
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	7.	US-6,879,054	04-12-2005	Gosselin	
	8.	US-6,909,200	06-21-2005	Bouchon	
	9.	US-60/600,330		Donnelly	Filed 08-09-2004
	10.	US-60/607,194		Donnelly	Filed 09-03-2004
	11.	US-60/616,173		Donnelly	Filed 10-04-2004
	12.	US-60/618,631		Donnelly	Filed 10-13-2004
<i>RM</i>	13.	US-60/618,632		Donnelly	Filed 10-13-2004
<i>RM</i>	14.	US-60/674,837		Donnelly	Filed 04-25-2005

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<i>RM</i>	15.	PCT	- WO 04/042890	05-21-2004	Donnelly		
<i>RM</i>	16.	EP	- 0 348 938	01-03-1990	Loher AG		

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

Examiner Initials*	Cite No. <sup>1</sup>	
<i>RM</i>	17.	"Lead-Acid Battery State of Charge vs. Voltage", Richard Perez, Home Power #36, August/September 1993.

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				Art Unit	3617
Examiner Name	McCarry Jr. Robert J.				
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	18.	"Thermal Evaluation of the Honda Insight Battery Pack" M.D. Zolot et. al. National Renewable Energy Laboratory, Presented at the 36th Intersociety Energy Conversion Engineering Conference, Savannah Georgia, July 29 to Aug 2 2001.
	19.	"Development of a New Battery System for Hybrid Vehicle", Tomokazu Yamauchi et al, Toyota, presented at the EVS 17 in Montreal, Oct. 2000
	20.	"Supercapacitive Energy Storage for Diesel-Electric Locomotives", Destraz, Barrade and Rufer, Swiss Federal Institute of Technology, paper presented at SPEEDAM 2004, June 16, Capri, Italy.
	21.	Press Release: "French Railway Company Voies Ferees Legeres et Industrielles (VFLI) Puts Its Trust in Deutch Engines", June 2003
	22.	"LNG as a Fuel for Railroads: Assessment of Technology Status and Economics", Pera and Moyer, Acurex Corporation, 1993, Gas Research Institute contract number 5091-292-2153
	23.	"Comparative Economic Assessment of a Natural Gas Fueled Locomotive with On-Board CNG Storage to Diesel and LNG Variants", Donnelly et al, IEEE/ASME Joint Railroad Conference, Baltimore, April 1995
	24.	"Linear/Switchmode Voltage Regulator Handbook" Motorola, Inc. 1982
	25.	"The Control of Switched Reluctance Drives and their Use for Flywheel Energy Storage", Brabandere et al,
	26.	"Performance and Control of the Switched Reluctance Motor", Dahdah et al, University of Western Sydney, Australia
	27.	"Design of Switched Reluctance Motors and Development of a Universal Controller for Switched Reluctance and Permanent Magnet Brushless DC Motors", Phd Dissertation, Virginia Polytechnic Institute and State University, Prahveen Vijayraghavan, Blacksburg, VA, November 2001.
	28.	"Li-Ion Battery-Powered Buck-Boost Regulator Minimizes Portable Product Size", Chen, IIC-China/ESC-China Conference Proceedings, 2002.

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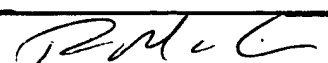
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				Application Number	10/650,011
				Filing Date	August 28, 2003
				First Named Inventor	DONNELLY, Frank Wegner
				Art Unit	3817
Examiner Name	Robert J. McCarry, Jr.				
Sheet	1	of	1	Attorney Docket Number	5107-4

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		Country Code <sup>2</sup>	Number <sup>2</sup> ; Kind Code <sup>3</sup> (if known)				

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
Examiner Initials*	Cite No. <sup>1</sup>	
	1.	PCT International Preliminary Examination Report dated May 25, 2005, 4 pages.

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